

ABSTRACT OF DISCLOSURE

The present invention relates to method for recording program specific information (PSI) for recorded data stream in an optical disk such as a high-density digital versatile disk (HD-DVD) and providing the recorded PSI to a presenting device such as a digital television. This method writes program or stream specific information in a management data recording area of a high-density disk, and, when the recorded data stream is reproduced, determines whether it is the time to send the stream specific information, obtains stream specific information related with a stream object being or to be reproduced based on the determination result, and transmits the obtained stream specific information. This method can maintain the disk storage capacity for real video and/or audio data by recording stream specific information in a management recording area of a high-density disk, and provide the stream specific information to a digital television promptly when it is necessary, thereby reducing time of blank screen or discontinuity in video and/or audio presentation.